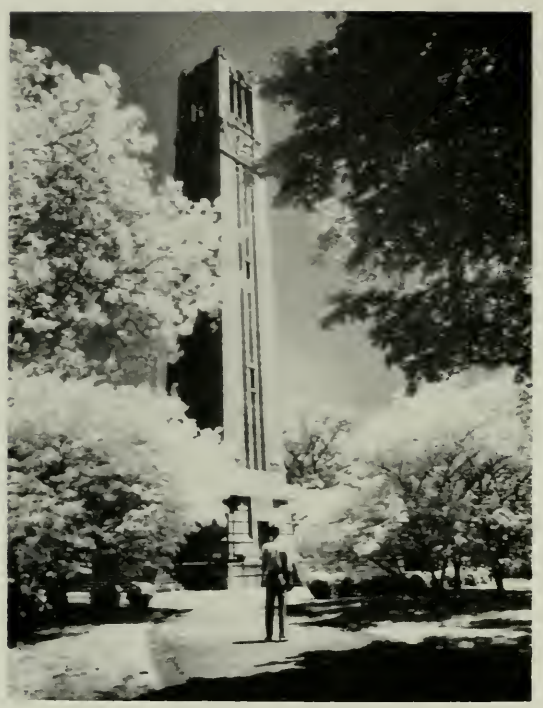
STATE COLLEGE RECORD

YOUR SUMMER SESSIONS

AT NORTH CAROLINA STATE COLLEGE

JUNE 4—AUGUST 23 • 1956



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STATE COLLEGE RECORD

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NORTH CAROLINA STATE COLLEGE

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W. M. Whyburn, Acting Provost
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D. B. Anderson, Dean, Graduate School
K. D. Raab, Director of Admissions

All requests for summer school information should be addressed to the Director of Admissions, 201 Holladay Hall, North Carolina State College, Raleigh, N. C.

ITS STATURE

North Carolina State College, founded by legislative act on March 7, 1887, is the State's technological institution of higher learning and Land Grant College. Now in its 67th year of service, the College this year has a regular enrollment exceeding 4,800 students from all of the State's 100 counties, 44 states, the District of Columbia, three United States possessions, and 39 foreign countries.

Known throughout the world for its vast programs of teaching, research, and extension services, North Carolina State College maintains six degree-granting schools—the Schools of Agriculture, Education, Engineering, Design (including architecture and landscape architecture), Forestry, and Textiles. In addition, the College operates a School of General Studies, which provides studies in the liberal arts and humanities to all of the students.

North Carolina State College is located in the State's historic Capital City, where students have access to a rich reservoir of art treasures, library facilities, churches, and other cultural assets. Raleigh is located in the center of the State and is easily reached by all means of modern transporation.

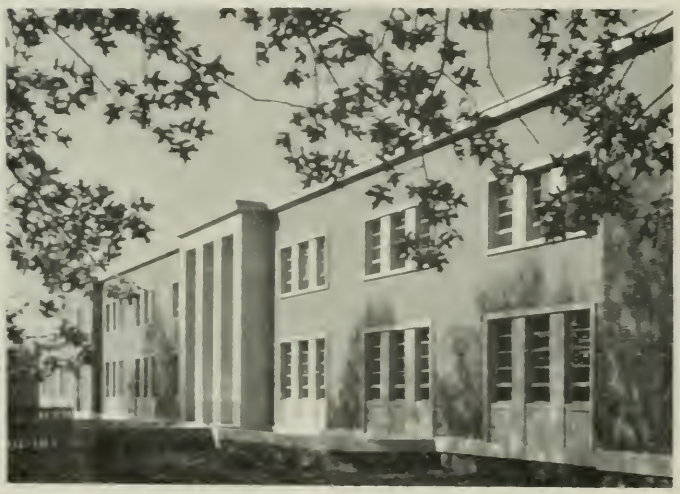
ITS SUMMER SESSION

The 1956 Summer Session at North Carolina State College will feature a wide range of courses and is designed to serve both regular students of the College and others, including teachers who may wish to earn credit toward the renewal of teaching certificates or toward an advanced degree.

High school graduates needing preparatory training in English and mathematics before enrolling as regular students of the College also may find the Summer Session a valuable training period.

Regular students of the College who are behind in their academic schedules or students who may wish to advance more rapidly than is possible during the regular semesters also may find the Summer Session beneficial.

D. H. Hill Library . . . one of the South's modern libraries . . . provides students with modern, comfortable study facilities . . . with conference, reading, and seminar rooms . . . with study, audio, first aid, and visual aids rooms . . . with exhibit areas.



ITS 1956 SUMMER CALENDAR

(two 6-week sessions)

FIRST SESSION

June 4	Monday	Freshman Orientation & Testing
June 5	Tuesday	Registration. Late registration fee of $5 payable by all registering after July 5
June 6	Wednesday	First Day of Classes
June 11	Monday	Last Day for Registration
June 15	Friday	Last Day for Dropping Courses without Penalty
July 4	Wednesday	Holiday
July 11	Wednesday	Last Day of Classes
July 12	Thursday &	
July 13	Friday	Final Examinations

SECOND SESSION

July 16	Monday	Freshman Orientation & Testing
July 17	Tuesday	Registration. Late registration fee of $5 payable by all registering after July 17
July 18	Wednesday	First Day of Classes
July 23	Monday	Last Day for Registration
July 27	Friday	Last Day for Dropping Courses without Penalty
August 21	Tuesday	Last Day of Classes
August 22	Wednesday &	
August 23	Thursday	Final Examinations

The College Union . . . one of the nation's modern student centers . . . with features ranging from a 160-seat theater, games room, and hobby shop to a barber shop, ballroom, private banquet rooms, snack bar, and conference halls.

ITS EXPENSES PER SESSION

TUITION—$ 7.50 per semester credit for North Carolina students.
$15.00 per semester credit for out-of-state students.
$ 7.50 for each course audited.

FEES —$ 8.00 Registration and other fees.
(A late fee of $5.00 will be charged all students completing their registration after designated date.)

ROOM —$24.00 per person

BOARD —Board is cafeteria style and the cost depends upon the individual student.
A fair estimate would be about $75.00 per session.

ADDITIONAL FEE FOR STUDENTS COMPLETING REQUIREMENTS FOR GRADUATION: Any student who is completing requirements for graduation at the close of a summer session will be charged a $7.00 fee if he is securing a Bachelor's degree, a $10.00 fee if he is completing work for a Master's degree, and $15.00 fee if he is a candidate for a Doctor of Philosophy degree. The Graduate School will also charge Doctor of Philosophy candidates a $20.00 fee for microfilming and mailing dissertations.

ITS REGISTRATION

Students who completed the spring semester in residence at State College should go to the Registration Office in Holladay Hall, (second floor, south end) for their summer session permits to register. Instructions will be printed on the permits.

Former State College students returning (not in residence spring semester) should go to Room 206 Holladay Hall to apply for readmission and get their permits and instructions for registration. These students can save valuable time by writing to the Director of Admissions by May 1 (if possible) about their intention of returning for the summer school. Former students who have attended other institutions since their last residence at State College must have official transcripts sent to the Registration Office before registering for the summer.

Undergraduate students from other colleges coming to State College for the summer only should submit their applications to the Director of Admissions, Holladay Hall, not later than May 28th prior to the opening of the Summer Session. A transcript of academic credits and other information attesting to the qualification of the student may be required for the completion of the application.

Undergraduate students who desire to become regularly enrolled students for credit toward an undergraduate degree at State College should write to the Director of Admissions for full information. Before their admission can be approved, they will need to fill out a regular application and have official transcripts sent directly to the Director of Admissions.

Graduate students who desire to enroll for the first time in the Graduate School should write in advance to Dr. D. B. Anderson, Associate Dean of the Graduate School, and secure approval. Official transcripts of undergraduate work and any previous graduate work will be required prior to summer school registration.

Directions for registration will be given each student when he secures his permit to register from the Registration Office on second floor of Holladay Hall.

The normal load for the summer session is six semester hours. Any student may carry less. Loads in excess of seven hours must be approved by the Dean or Director of Instruction of the school in which the student is registered. Such approvals must be in writing on the original copy of the student's summer session roster of courses. The maximum load is twelve hours. VETERANS under P. L. 346 must carry 4 semester hours and VETERANS under P. L. 550 must carry 5 semester hours to qualify for full subsistence or payment.

Cancellation of courses may be necessary if there is insufficient enrollment. The summer session officials reserve the right to withdraw courses when the enrollment is too small.

ITS COURSES

In the schedule below the courses are arranged alphabetically by IBM symbols and numerically by course numbers. Classes meet daily Monday through Friday between the hours given unless otherwise indicated by the symbols M,Tu,W,Th,F following the clock hours. The symbols LR and LB before the clock hours refer to Lecture-Recitation and Laboratory hours respectively. Class periods longer than 90 minutes provide sufficient time for a 10-minute break within the period.

Course offerings for a second term of six weeks, (July 16-August 24), will be based on demand, and a schedule of these offerings will be available the early part of the first summer term.

AGRICULTURAL ECONOMICS

AGC 431	Agricultural Prices	3 credits	8:40-10:10
AGC 661	Seminar in Cont. Econ. Agr. Problems	3 credits	arranged
AGC 662	Seminar in Cont. Econ. Agr. Problems	3 credits	arranged

AGRICULTURAL ENGINEERING

AGE 201	Farm Shop (Woodwork) LB 2:40-6:00 MW	2 credits	LR 1:30-2:30 MW,
AGE 202	Farm Shop (Metalwork) LB 2:40-6:00 TT	2 credits	LR 1:30-2:30 TT,

ANIMAL INDUSTRY

AI 201 Elements of Dairy Science 4 credits LR 8:00-10:10 MThF, LB 1:30-6:00 M or Tu
AI 507 Topical Problems 3 credits arranged
AI 600 Research in Animal Industry arranged

CIVIL ENGINEERING

CE 202 Surveying II 3 credits 1:30-6:30 MTuW
CE 212 Construction Surveying II 3 credits 1:30-6:30 MTuW

CHEMISTRY

CH 101 General Inorganic Chemistry 4 credits LR 8:00-9:30, LB 1:30-5:30 WF
CH 103 General and Qualitative Chemistry 4 credits LR 8:00-9:30, LB 1:30-5:30 MF or WF
CH 203 General and Organic Chemistry 4 credits LR 10:20-11:50, LB 1:30-5:30 WF
CH 211 Quantitative Analysis (Volumetric) 4 credits LR 8:00-9:00 LB 1:30-5:30 MTuWTh
CH 212 Quantitative Analysis (Gravimetric) 4 credits LR 9:10-10:10, LB 1:30-5:30 MTuWTh
CH 215 Quantitative Analysis 4 credits LR 10:20-11:50, LB 1:30-5:30 TT
CH 451 Introductory Biochemistry 3 credits LR 8:00-9:00, LB 1:30-5:30 TT

CHEMICAL ENGINEERING

CHE 205 Chemical Process Principles I 4 credits arranged
CHE 411 Unit Operations 4 credits arranged
CHE 470 Chemical Engineering Projects 2 credits arranged
CHE 570 Chemical Engineering Projects 3 credits maximum arranged
CHE 680 Chemical Engineering Research 3 credits maximum arranged

DAIRY MANUFACTURING

DM 400 Dairy Plant Experience 6 credits maximum arranged
DM 604 Topical Problems in Dairy Manufacturing 3 credits maximum arranged
DM 605 Research in Dairy Manufacturing 6 credits maximum arranged

DESIGN

DN 102 Design II 3 credits (9 weeks) 1:30-5:15
DN 112 Descriptive Drawing II 2 credits (9 weeks) 1:30-5:15 MWF
DN 212 Descriptive Drawing IV 2 credits 1:30-4:45
DN 312 Descriptive Drawing VI 2 credits 1:30-4:45

ECONOMICS

EC 201 Economics 3 credits 8:00-9:30
EC 202 Economics 3 credits 1:30-3:00
EC 205 The Economic Process 3 credits 10:20-11:50
EC 401 Principles of Accounting 3 credits 10:20-11:50
EC 407 Business Law I 3 credits 10:20-11:50
EC 425 Industrial Management 3 credits 10:20-11:50
EC 426 Personnel Management 3 credits 8:00-9:30
EC 555* Introduction to Linear Programming 3 credits 9:10-10:40

*** This course was scheduled at this time in order to fit into the Southern Regional Graduate Summer School Session in Statistics and into the special Social Science Research Council-sponsored session for Agricultural Economists. It is a regular summer session course, however, for anyone who can schedule it for this hour.**

EDUCATION

ED 308 Visual Aids 2 credits 10:20-11:50 & arranged
ED 344 Secondary Education 2 credits 8:40-10:10
ED 410 Driver Education 3 credits arranged
ED 501 Education of Exceptional Children 3 credits 8:40-10:10
ED 502 Analysis of Reading Abilities 3 credits 10:20-11:50
ED 503 Improvement of Reading Abilities 3 credits arranged
ED 505 Group Dynamics in Teaching 3 credits 3:10-4:40
ED 509 Special Education Workshop 3 credits arranged

Reynolds Coliseum . . . one of America's largest indoor stadiums . . . seating 12,500-plus for sports and stage events . . . attracting nation-wide basketball games, ice shows, agricultural meetings, symphonies, variety shows, and lecturers.

ED 510 Advanced Safety Education 3 credits arranged
ED 521 Organization of Related Study Materials 2 credits 8:40-10:10
ED 527 Philosophy of Industrial Education 2 credits 12:00-1:30
ED 528 Principles and Practices in Diversified Occupations 2 credits 10:20-11:50
ED 552 Industrial Arts in the Elementary School 3 credits 12:00-1:30
ED 554 Planning Programs of Vocational Agriculture—3 credits 8:40-10:10
ED 558 Special Problems in Teaching Vocational Agriculture 6 credits maximum arranged
ED 563 Effective Teaching 3 credits 12:00-1:30
ED 595 Industrial Arts Workshop 6 credits 8:40-10:10
ED 610 Adm. and Supervision of Vocational Education 2 credits arranged
ED 615 Introduction to Educational Research 5 credits 12:00-1:30 or arranged
ED 617 Philosophy of Agr. Education 3 credits 10:20-11:50
ED 618 Seminar in Agricultural Education 2 credits maximum arranged
ED 619 Seminar in Industrial Arts Education 2 credits maximum arranged
ED 621 Research in Agricultural Education 2 credits arranged
ED 624 Research in Industrial Arts Education 6 credits maximum arranged
ED 635 Adm. and Supervision of Ind. Arts 2 credits 10:20-11:50
ED 641 Field Work in Occupational Information 2 credits arranged

Riddick Stadium . . . home of the N. C. State Wolfpack . . . seating 20,000-plus . . . featuring both day and night games . . . serving Raleigh's high school as a stadium for its home games . . . and as the home of an annual Orphanage Bowl game.

ELECTRICAL ENGINEERING

EE 202* Elementary Circuits and Fields 4 credits 8:00-10:10 or 10:20-12:30

* To be offered in a 12 week sequence (both sessions of the 1956 Summer School)

ENGINEERING MECHANICS

EM 311 Mechanics I (Statics) 3 credits 8:00-9:30 or 10:20-11:50
EM 312 Mechanics II (Dynamics) 3 credits 8:00-9:30
EM 321 Strength of Materials I 3 credits 10:20-11:50

ENGLISH

EN 100 English Refresher x3 no credits 8:00-9:30
EN 111 Composition 3 credits 8:00-9:30 or 10:20-11:50
EN 112 Composition 3 credits 8:00-9:30 or 10:20-11:50
EN 205 Reading for Discovery 3 credits 8:00-9:30 or 10:20-11:50
EN 211 Business Communications 3 credits 10:20-11:50
EN 231 Basic Speaking Skills 3 credits 8:00-9:30 or 10:20-11:50
EN 321 Scientific Writing 3 credits 1:30-3:00
EN 366 The American Mind 3 credits 8:00-9:30

FIELD CROPS

FC 542 Plant Breeding Field Procedures 2 credits arranged

(This course will be conducted on an arranged basis during the entire summer, but will terminate approximately September 15)

GENETICS

GN 542 Same as FC 542

The path to successful careers in agriculture is paved with the interest great teachers give promising students. Last year, alone, nearly half the college's graduate students were enrolled in agriculture—over 200 of them.

HISTORY

HI 205 The Modern Western World 3 credits 8:00-9:30 or 1:30-3:00
HI 252 The United States Since 1865 3 credits 8:00-9:30
HI 261 The United States in Western Civilization 3 credits 10:20-11:50
HI 412 Recent United States History 3 credits 10:20-11:50

HORTICULTURE

HRT 301 Plant Propagation 3 credits LR 9:10-10:10, LB 1:30-4:00 MW
HRT 432 Vegetable Production 3 credits LR 10:20-11:20,
LB 1:30-4:30 TT
HRT 542 Same as FC 542

INDUSTRIAL ARTS

IA 106 Laboratory of Industries 3 credits 7:30-10:10
IA 108 General Woodwork 3 credits 10:20-1:00
IA 206 General Metalwork 3 credits 10:20-1:00
IA 570 Lab. Problems in Ind. Arts 6 credits maximum 10:20-1:00
IA 575 Special Problems in Ind. Arts 6 credits maximum arranged

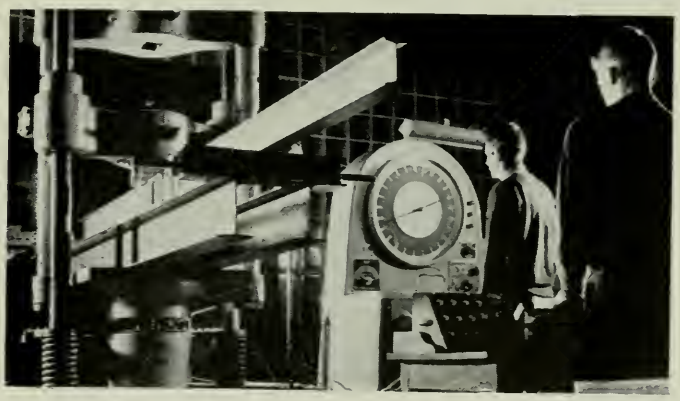
INDUSTRIAL ENGINEERING

IE 206 Industrial Organization and Management 3 credits 1:30-3:00

In training to become vocational agriculture teachers, a valuable teaching tool students learn to use are motion pictures that illustrate modern agricultural methods in pictures and words that can be clearly understood.

MA 1 Plane Geometry x3 no credit 10:20-11:50
MA 2 Review Algebra x3 no credit 8:00-9:30 or 10:20-11:50
MA 4 Solid Geometry x2 no credit 8:00-9:00, 10:20-11:20 or 1:30-2:30
MA 1,4 Combined x5 no credit 7:30-10:10
MA 101 First Year Mathematics for Engineers 5 credits 7:30-10:10 or 10:20-1:00
MA 102 First Year Mathematics for Engineers 4 credits 8:00-10:10 or 10:20-12:30
MA 111 Algebra and Trigonometry 4 credits 8:00-10:10 or 10:20-12:30
MA 112 Analytic Geometry and Calculus A 4 credits 8:00-10:10 or 10:20-12:30
MA 122 Mathematics of Finance and Elementary Statistics 4 credits 8:00-10:10
MA 201 Calculus I 4 credits 8:00-10:10 or 10:20-12:30
MA 202 Calculus II 4 credits 8:00-10:10 or 10:20-12:30
MA 211 Analytic Geometry and Calculus B 3 credits 10:20-11:50
MA 212 Analytic Geometry and Calculus C 3 credits 10:20-11:50
MA 401 Differential Equations 3 credits 8:00-9:30 or 10:20-11:50
MA 402 Theory of Equations 3 credits 10:20-11:50
MA 501 Graphical and Numerical Methods I 3 credits 8:00-9:30
MA 511 Advanced Calculus I 3 credits 8:00-9:30
MA 511a Advanced Calculus 3 credits (Statistics, June 11-July 20) 7:30-9:00
MA 512 Advanced Calculus II 3 credits 8:00-9:30
MA 514 Boundary Value Problems 3 credits 8:00-9:30
MA 532 Advanced Differential Equations 3 credits 10:20-11:50
MA 541 Vector Analysis 3 credits 10:20-11:50
MA 611 Complex Variable Theory and Applications 3 credits 10:20-11:50
MA 622 Advanced Algebra 3 credits 10:20-11:50

Whether learning the oldest of all the engineering fields—civil engineering—or modern industrial engineering, State students are trained to be versatile, to serve industry that needs 20,000 more engineers than it can get.



MECHANICAL ENGINEERING

ME 102 Engineering Graphics 2 credits 8:00-10:10 or 10:20-12:30
ME 104 Descriptive Geometry for Architecture Students 2 credits 8:00-10:10
ME 302 Engineering Thermodynamics 3 credits 8:00-9:30
ME 306 Mechanical Engineering Lab. II 1 credit 1:30-5:30 TT

MODERN LANGUAGES

ML 103 Elementary German 3 credits 8:00-9:30
ML 205 Spanish Prose 3 credits 8:00-9:30
ML 401 Intro. Scientific French 3 credits 10:20-11:50
ML 403 Intro. Scientific German 3 credits 10:20-11:50

PHILOSOPHY

PHI 205 Problems and Types of Philosophy 3 credits 8:00-9:30 or 10:20-11:50
PHI 305 Philosophy of Religion 3 credits 10:20-11:50
PHI 309 Marriage and Family Living 3 credits 8:00-9:30 or 10:20-11:50

Forestry students learn wood manufacturing methods by operating modern production equipment in the wood products laboratory—second most completely equipped wood research laboratory in the United States today.

PE 101	Physical Education	1 credit	arranged
PE 102	Physical Education	1 credit	arranged
PE 201	Physical Education	1 credit	arranged
PE 202	Physical Education	1 credit	arranged
PE 301	Physical Education	1 credit	arranged
PE 302	Physical Education	1 credit	arranged
PE 303	Physical Education	1 credit	arranged
PE 304	Physical Education	1 credit	arranged

Activities To Be Offered

Golf: A course designed for the beginner; grip, stance, swing, and use of the various clubs, together with the history and etiquette of play.

Softball: A course designed to include the fundamentals, history and rules of the game.

Swimming: A general course designed to give the student competence in the four basic strokes and two dives.

Tennis: A course designed to give the student a thorough knowledge of the fundamental strokes and a general knowledge of the history, rules and basic strategy of the game.

Volleyball: A course designed to include the fundamentals, history and rules of the game.

Note: Courses numbered in the 300 series are elective for juniors and seniors. The above arrangement will apply for both summer school sessions.

Williams Hall . . . shown here at the entrance . . . houses two major departments of soils and crops . . . modern lecture auditorium . . . teaching labs, classrooms, and offices . . . and the college's famed mass spectagraph for special research.

POULTRY SCIENCE

PO 201 Chicken and Poultry Production 4 credits LR 8:00-9:30, LB 1:30-4:10 TT
PO 401 Poultry Diseases 4 credits LR 8:00-9:30, LB 1:30-4:10 WF

PLANT PATHOLOGY

PP 503 Diagnosis of Plant Diseases 3 credits arranged
PP 615 Research in Plant Pathology credits and hours arranged
PP 617 Special Problems in Plant Pathology credts and hours arranged

POLITICAL SCIENCE

PS 201 The American Governmental System 3 credits 10:20-11:50
PS 401 American Parties and Pressure Groups 3 credits 8:00-9:30

PSYCHOLOGY

PSY 200 Introductory Psychology 3 credits 8:40-10:10; 10:20-11:50; 12:00-1:30; 1:30-3:00
PSY 302 Psychology of Personality 3 credits 12:00-1:30
PSY 304 Educational Psychology 3 credits 1:30-3:00
PSY 337 Industrial Psychology I 3 credits 8:40-10:10

Through group discussions, students learn to formulate and express their opinions in the School of General Studies. Tape recorded, the discussion is played back so they can analyze, criticize, and improve on what they have done.

PSY 410 Psychology of Highway Safety 3 credits arranged
PSY 438 Industrial Psychology II 3 credits 12:00-1:30
PSY 476 Adolescent Psychology 2 credits 10:20-11:20
PSY 535 Tests and Measurements 3 credits 10:20-11:50
PSY 550 Mental Hygiene in Teaching 3 credits 12:00-1:30
PSY 609 Psychological Clinic Practicum 3 credits arranged
PSY 612 Psychology Seminar 3 credits arranged
PSY 613 Research 3 credits arranged

PHYSICS

PY 201 General Physics 5 credits LR 8:00-10:10, LB 1:30-3:40 TT
PY 202 General Physics 5 credits LR 8:00-10:10 or 10:20-11:30, LB 1:30-3:40 MW or TT
PY 211 General Physics 4 credits LR 8:00-9:30, LB 1:30-3:40 MW
PY 212 General Physics 4 credits LR 8:00-9:30, LB 1:30-3:40 TT
PY 407 Introduction to Modern Physics 3 credits 8:00-9:30
PY 410 Nuclear Physics 4 credits LR 10:20-11:50, LB 1:30-3:40 TT
PY 530 Elementary Nuclear Reactor Theory 3 credits 8:00-9:30
PY 611 Quantum Mechanics 3 credits 8:00-9:30
PY 670 Seminar 1 credit arranged
PY 690 Research 1-6 credits arranged

Preparing for careers as industrial arts teachers and technical specialists for industry, students spend much time in modern shop-labs putting some of their classroom theories and ideas into everyday practice.

RECREATION

REC 151 Principles of Physical Education 3 credits 10:20-11:50
REC 152 Introduction to Recreation 3 credits 8:00-9:30
REC 202 Aquatic Sports 2 credits 1:30-2:30
REC 333 First Aid and Safety 2 credits 9:10-10:10
REC 353 Camp Organization and Leadership 3 credits 12:00-1:30
REC 470 Supervised Practice 10 credits arranged

RELIGION

REL 403 Religions of the World 3 credits 8:00-9:30

RURAL SOCIOLOGY

RS 301 Sociology and Rural Life 3 credits 3:50-5:20
RS 642 Research in Rural Sociology credits and hours arranged

SOCIOLOGY

SOC 202 Man and Society 3 credits 8:00-9:30
SOC 301 Human Behavior 3 credits 10:20-11:50
SOC 304 Contemporary Family Life 3 credits 1:30-3:00

The Textile School's library, a branch of the Hill Library, is considered one of the finest textile libraries in existence . . . featuring 5,000 volumes on textiles and related subjects, receiving about 150 technical periodicals.

SOCIAL STUDIES

SS 301 Contemporary Civilization 3 credits 8:00-9:30
SS 302 Contemporary Civilization 3 credits 10:20-11:50
SS 491 Contemporary Issues 3 credits 8:00-9:30 or 10:20-11:50 or 1:30-3:00
SS 492 Contemporary Issues 3 credits 10:20-11:50

STATISTICS

See special listing of "Southern Regional Graduate Summer School in Statistics," p. . . . . of this schedule.

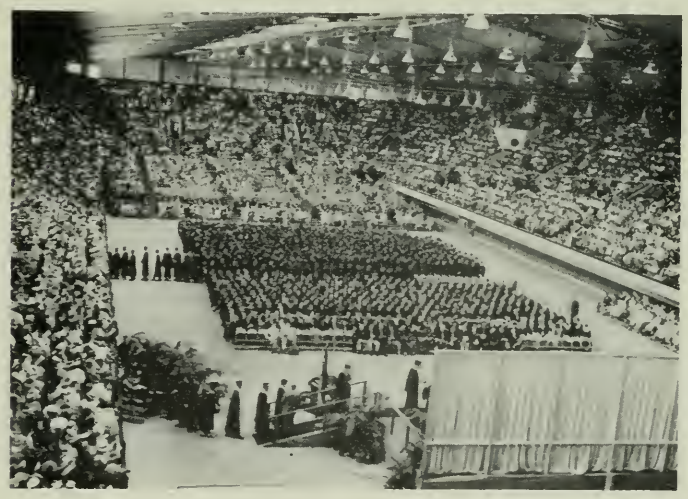
TEXTILE CHEMISTRY

TC 201 Textile Chemistry I 2 credits 10:20-11:20
TC 421 Fabric Finishing I 2 credits 9:10-10:10

TEXTILES

TX 101 Yarn Principles 2 credits 1:30-2:30 Lab. 2:40-3:40 MWF
TX 151 Fabric Principles 2 credits 10:20-11:20 Lab. 11:30-12:30 MWF
TX 201 Yarn Manufacture II 4 credits 8:00-9:30 Lab. 1:30-3:40 MWF

Commencement Processional . . . each June sees State College grant nearly 800 degrees to promising undergraduate and graduate students . . . from a student body representing in a typical year 100 counties, 43 states, and 38 nations.



TX 241 Knitting I 3 credits 11:30-12:30 Lab. 1:30-3:00 MWF
TX 251 Weaving II 3 credits 1:30-2:30 Lab. 3:50-5:20 M-F
TX 261 Fabric Structure 3 credits 11:30-12:30 Lab. 8:00-9:30 M-F
TX 301 Yarn Manufacture III 4 credits 8:00-9:30
Lab. 10:20-12:30 MWF
TX 341 Hosiery Manufacture 2 credits 10:20-11:20
TX 351 Weaving III 3 credits 11:30-12:30 Lab. 8:00-9:30 MWF
TX 361 Dobby Design & Anal. I 3 credits 1:30-2:30 Lab. 3:50-5:20 M-F
TX 411 Wool Manufacture 3 credits 10:20-11:20 Lab. 3:50-5:20 MWF
TX 425 Textile Microscopy 1 credit arranged
Three 2-hour labs. per week
TX 431 Synthetics I 2 credits 8:00-9:00

ZOOLOGY

ZO 571 Advanced Wildlife Management, Special Studies credits and hours arranged
ZO 611 Animal Ecology, Special Studies credits and hours arranged
ZO 641 Research in Zoology credits and hours arranged

A sign of the times—and of the future—is the textile industry's concern over quality and the control of it. Students in all areas of textiles learn to understand quality and to work for more and more of it in textile products.

SOUTHERN REGIONAL

GRADUATE SUMMER SESSION IN STATISTICS

June 11-July 20, 1956

At the request of the Southern Regional Education Board's Advisory Commission on Statistics, Virginia Polytechnic Institute, the University of Florida, and the Consolidated University of North Carolina have agreed to initiate a continuing program of graduate summer sessions in statistics to be held at each of the three institutions in rotation. The 1955 session was held at the University of Florida, Gainesville, Florida, June 20-July 25. The 1956 session will be at N. C. State College, June 11-July 20.

The summer sessions will last six weeks and each course will carry approximately three semester hours of graduate credit. Each of the sponsoring institutions will accept the credits earned by students in the summer sessions as residence credit. The courses in methodology and basic theory will be of particular interest to those who wish to use statistics as a tool in their own professions or who will be teaching courses in statistics. In addition, the courses are arranged to provide consecutive work in successive summers so that those who wish can complete the course work in statistics for a Master's degree in three summers; students must satisfy the remaining requirements for course work and thesis at the institution where they have been admitted to candidacy. The advanced courses will be accepted as part of the Ph.D. program.

The courses listed are the same as those described in the N. C. State College catalogue with the following exceptions: Stat. 511 does not have the usual laboratory period which would be required to make it equivalent to Stat. 511, Experimental Statistics for Biological Sciences I, or Stat. 513, Experimental Statistics for Social Sciences I. Stat. 521 and Stat. 522 comprise $\frac{2}{3}$ of the material usually covered. There is no least squares theory contained in these two courses. Stat. 532 is a special course for this session.

ST 511	Experimental Statistics for Biological Sciences, 1 (Statistical Methods 1)	3 credits	7:30-9:00
ST 512	Experimental Statistics for Biological Sciences, II (Statistical Methods II)	3 credits	7:30-9:00
ST 521	Basic Statistical Theory (Theory I)	3 credits	1:30-3:00
ST 522	Basic Statistical Theory (Theory II)	3 credits	10:50-12:20
ST 532	Sample Survey Designs	3 credits	1:30-3:00
ST 591	Special Problems	1-3 credits	arranged
ST 652	Econometric Methods	3 credits	1:30-3:00
ST 672	Advanced Topics in Statistical Analysis	3 credits	9:10-10:40
ST 691	Research		arranged

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Agr. Engineering	50
Agr. Extension	32
Agr. Dean	35
Agronomy	43
Alumni Secretary	2
Animal Husbandry	39
Architecture	29
Athletics	58
Auditorium	10
Biology	44
Book Store	8
Botany	44
Building Supt.	21
Business Office	1
Cafeteria	14
Ceramics Eng.	18
Chancellor	1
Chemical Eng.	26
Chemistry	30
Civil Eng.	28
Coliseum	58
College Engineer	31
College Extension	31
Cotton	43
Dairy Research	39
Dean of Students	1
Design, Dean	29
Diesel Eng.	37
Dorm. Office	1
Economics	9
Education, Dean	15
Electrical Eng.	27
Engineering, Dean	26
Engineering Drawing	23
Engineering Mechanics	26
Engineering Research	25
English	10
Entomology	44
Ethics	9
Field Crops	43
Forestry, Dean	49
Foundations	1
General Studies, Dean	9
Genetics	44
Geology	11
Graduate School	44
History	9
Home Demonstration	32
Horticulture	49
Industr. Arts	15
Industr. Engineering	26
Infirmary	52
Landscape Design	29
Laundry	20
Library	40
Marketing	35
Mathematics	15
Mechanical Engr.	38
Military Dept.	42
Modern Language	9
Navy R. O. T. C.	68
Nuclear Reactor	34
Physical Education	56
Physics	29
Plant Pathology	44
Poultry	46
Print Shop	63
Psychology	15
Purchasing	1
Registrar	1
Rural Sociology	31
Sanitary Engr.	28
Service Dept.	21
Shops	22
Sociology	9
Statistics	35
Supplies	21
Textiles, Dean	51
Textile Research	51
Tobacco	43
U. S. Post Office	36
Veterans Adm.	1
Vetville	64
Visual Aids	32
Wood Prod. Lab.	70
Y. M. C. A.	13
Zoology	44

1. Holladay Hall
2. Alumni Hall
* 3. Welch Hall
* 4. Gold Hall
* 5. Fourth Hall
6. Brooks Hall
7. First Hall
8. Watauga Hall
9. Peele Hall
10. Pullen Hall
11. Primrose Hall
12. Syme Hall
13. Y.M.C.A.
14. Leazer Hall
15. Tompkins Hall
16. Field House
17. Riddick Field
18. Ceramics
19. Power Plant
20. Laundry
21. Warehouse
22. Park Shops
23. Page Hall
24. Winston Hall
25. Eng. Research
26. Riddick Lab. Bldg.
27. Electrical Eng.
28. Civil Engineering
29. Daniels Hall
30. Withers Hall
31. 1911 Building
32. Ricks Hall
33. Zoology Building
34. Nuclear Reactor
35. Patterson Hall
36. U. S. Post Office
37. Diesel Eng. Bldg.
38. Broughton Hall
39. Polk Hall
40. D. H. Hill Library
41. U. S. Bureau of Mines
42. Agronomy Greenhouses
43. Williams Hall
44. Gardner Hall
45. Student Union
46. Scott Hall
47. Bot. & Zool. Gr. Hus.
48. Horticulture Gr. Hus.
49. Kilgore Hall
50. Mangum Hall
51. Textile Building
52. Clark Hall
* 53. Berry Hall
* 54. Bagwell Hall
* 55. Becton Hall
56. Thompson Gym
57. Parking Area
58. Reynolds Coliseum
* 59. Alexander Hall
60. Turlington Hall
* 61. Owen Hall
62. Tucker Hall
63. Printing Shop
64. Vetville
65. Track Bleachers
66. Baseball Field
67. Tennis Courts
68. U. S. N. R. Armory
69. N. Y. A. Group
70. Forestry Lab.
71. Trailer Park

* Dormitories (students may apply for housing in any dormitory).

WESTERN BOULEVARD
U. S. HIGHWAY 70 A
PULLEN PARK
ROCKY BRANCH
POWER LINE
DUNN AVENUE
JOAN ALLEN DRIVE
SEABOARD RAILWAY
UNIVERSITY DRIVE
HILLSBORO STREET
U. S. HIGHWAY 1 AND N. C. 64
FERNDELL
MAIDEN LANE
ENTERPRISE
LOGAN COURT
CHAMBERLAIN
HORNE
POGUE
GARDNER
BROOKS
1 to 24
25 to 51
52 to 71

As
A
North
Carolina
State
College
Student